



TA 1530-0195

Technical Instruction

P611 spark plugs



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1 Scope


This Technical Instruction (TA) applies to the following Jenbacher Gas Engines:

- Type 6 engines
- Type 9 engines

2 Purpose

This Technical Instruction (TA) describes the use of P611 spark plugs.

3 Safety information

⚠ WARNING	
	<p>Personal injury</p> <p>Failure to use personal protective equipment and comply with safety instructions or employee protection information may lead to personal injury.</p> <ul style="list-style-type: none"> ➤ Wear the relevant personal protective equipment (PPE). ➤ Observe the safety instructions as per TA 2300-0005. ➤ Observe the employee protection information as per TA 2300-0001.

4 Additional information

Relevant documents:

IW 0309 M0 – Spark plugs

TA 1902-0228E/F/J – Tightening torques for type J 6... engines, versions GS-E/F/J

TA 1902-0228G/H/K – Tightening torques for J 624 G/H/K engines

TA 1902-0238 – J 920 tightening torques

TA 2300-0001 – Employee protection

TA 2300-0005 – Safety instruction

5 Set values



The ignition voltage requirement stated below must under no circumstances be exceeded during full-load operation.

Spark plug type	Engine type	NOx [mg/Nm ³]	Gas type	Ignition voltage requirement [kV]	Electrode gap [mm]
JenP611	6	250-500	All	35	0.25
JenP611	9	250-500	All	35	0.25



JenP611 spark plug

①	Ignition gap
②	Central electrode
③	Earth electrode

6 Service activities

Special adjustment work on the spark plug - for setting the correct electrode gap / ignition gap between centre electrode and earth electrode - is not possible.

Before installing the spark plugs in the engine, make sure that there is no visible damage to the plugs. Pay particular attention to the electrodes. The central electrode should be concentrically positioned, i.e. the electrode gap should be constant around the entire circumference.



Concentrically positioned central electrode, JenP611

If transportation has resulted in visible damage to the spark plug or eccentricity of the central electrode, the spark plug must not be installed in the engine.

To ensure correct operation, also check that there are no impurities (metal particles, ...) in the ignition gap.

7 Engine start with focus on the spark plug

After every engine start, check the ignition voltage at each cylinder. Details for performing this activity are described in **IW 0309 M0**.



IW 0309 M0 – Spark plugs

8 Revision code

Revision history

Index	Date	Description / Revision summary	Expert Auditor
1	31.01.2019	Erstausgabe / First issue	Mai T. <i>Kopecek H.</i>

